

- NOTES:
- All bolts *4 unless otherwise noted.
 - Use 1" dia. washers under all bolt heads and nuts unless otherwise noted.
 - All hardware, except parts made of bronze, are galvanized (double hot dipped) after fabrication.
 - Timbers are select douglas fir or southern yellow pine (S4S). Pressure treat posts embedded in concrete to 0.60 to 0.80 CCA. All other timbers are 0.40 CCA pressure treated. Apply three brush coats of CCA to all saw cut areas and drilled holes.
 - Contractor will make all necessary field adjustments (with approval from the CO) to produce a plumb gate.
 - Concrete to conform to section 601.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION

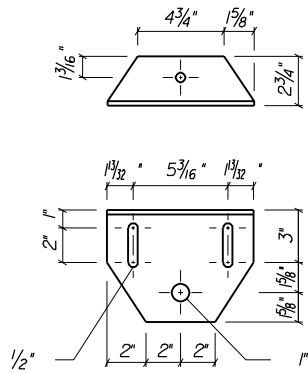
DETAIL

16 FT AND 28 FT GATES

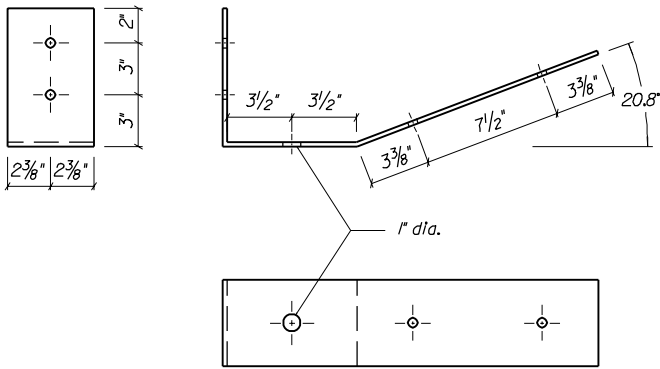
DETAIL APPROVED FOR USE --/---
REVISED:

DETAIL
E619-4

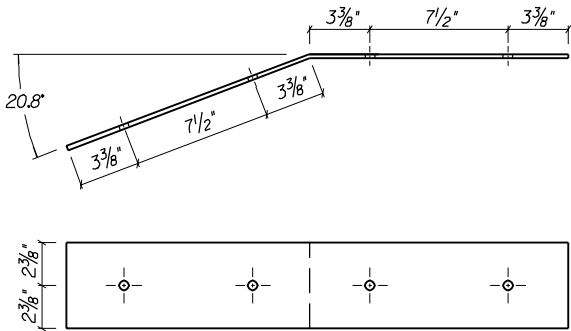
REG	STATE	PROJECT	SHEET NO.



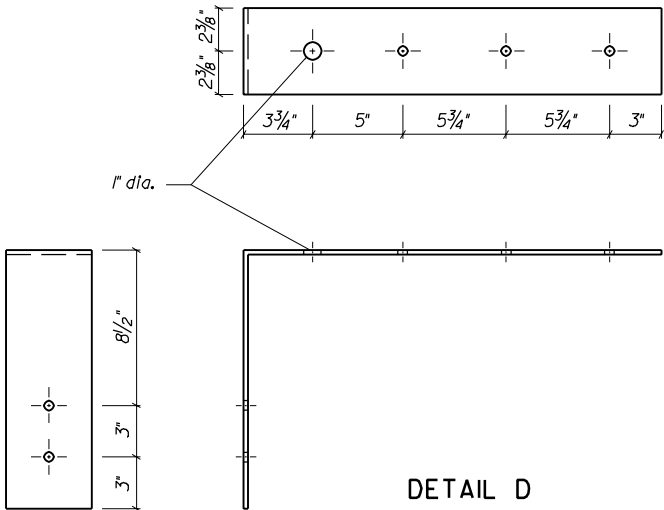
DETAIL A



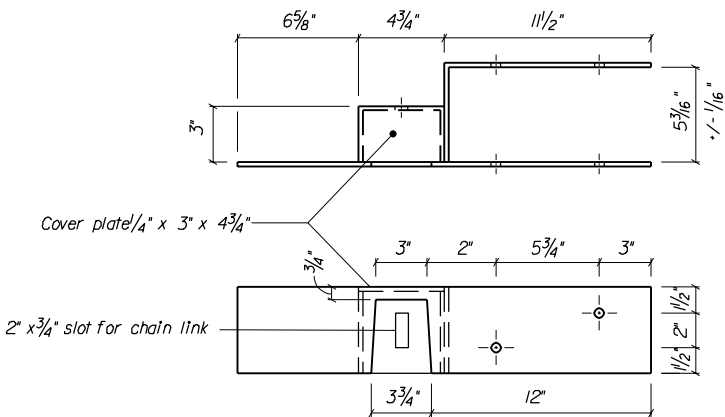
DETAIL B



DETAIL C

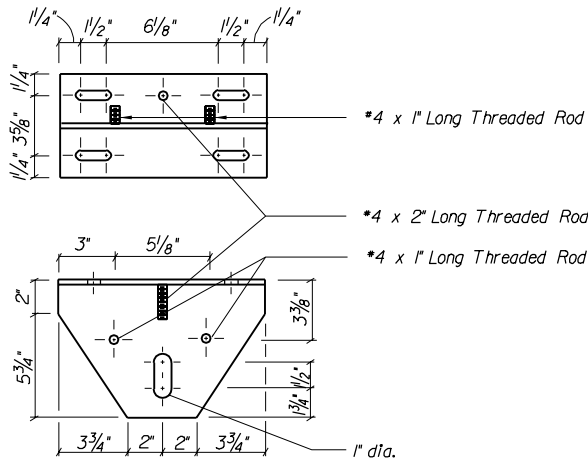


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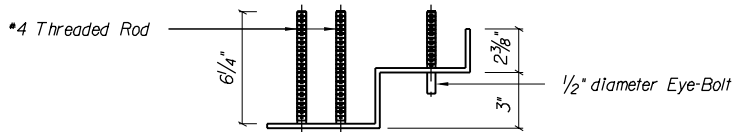


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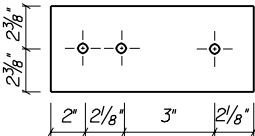
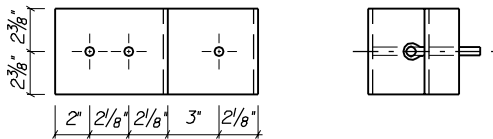
(8.5 m GATE)



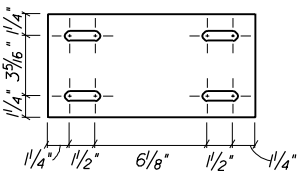
DETAIL F



DETAIL G



DETAIL H



DETAIL J

- NOTES:
1. All steel plates to be 1/4" thick.
 2. All holes 9/16" dia. unless shown.
 3. All bolts 1/2" dia. unless shown.
 4. All steel plates and hardware to be galvanized (double hot dipped after fabrication).
 5. Contractor will verify all dimensions.

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DETAIL

16 FT AND 28 FT GATES

DETAIL APPROVED FOR USE --/----	DETAIL
REVISED:	E619-4